

# APPLIED RESEARCH

Relentless Pursuit of Security

## OVERVIEW

Optiv's elite researchers help secure financial, retail, healthcare, technology and government assets of all types around the globe. We attract and retain the best, most rigorously tested talent in the security industry. We combine that talent with accountability, a strong culture of integrity and leading practices that ensure consistent quality in our approach. Working across teams and drawing expertise from the entire security spectrum, we continually push the boundaries of what is possible to address complex, emerging problems in the security space.

As part of Optiv's vibrant, engaging approach to addressing enterprise security needs, we specialize in custom projects and research designed to solve your most difficult and unique challenges.

**We are regularly engaged to provide the following services to our clients:**

- Hardware or Software Product Security Research
- Third-Party Product Security Research
- Hardware Device Security Research
- Software Reverse Engineering
- Targeted Vulnerability Research
- Applied Cryptography
- Unmanaged Source Code Audit
- Custom Tool Development
- Fault Injection Testing Development and Instrumentation
- Product/System Design Review

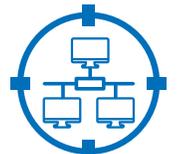
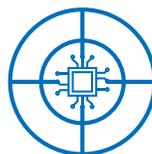
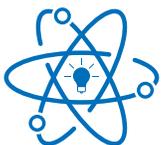
Optiv has created an environment where world-class researchers can focus on the most challenging problems in security and partner with product development and R&D teams alike to help our clients succeed. Recent accomplishments include:

### Hardware and Software Security Upgrades to Transportation Infrastructure of a Major U.S. City

A security vulnerability was identified in the ticketing devices controlling the public transit system of a major U.S. city. Our research scientists developed and deployed a custom hardware solution to fix the vulnerability, enabling the city to defer a \$1.6 billion unplanned expense to replace the devices.

### POS and Medical Device System Software Revisions to Enhance Security of In-Market Devices

Vulnerabilities in critical systems that have been released and deployed create liabilities for companies and put people at risk. Optiv helps organizations by discovering flaws and developing solutions that remediate security vulnerabilities. We can assist companies seeking to improve security during the development cycle or post-release of a given product or device.





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Optiv is a market-leading provider of end-to-end cyber security solutions. We help clients plan, build and run successful cyber security programs that achieve business objectives through our depth and breadth of cyber security offerings, extensive capabilities and proven expertise in cyber security strategy, managed security services, incident response, risk and compliance, security consulting, training and support, integration and architecture services, and security technology. Optiv maintains premium partnerships with more than 350 of the leading security technology manufacturers. For more information, visit [www.optiv.com](http://www.optiv.com) or follow us at [www.twitter.com/optiv](https://www.twitter.com/optiv), [www.facebook.com/optivinc](https://www.facebook.com/optivinc) and [www.linkedin.com/company/optiv-inc](https://www.linkedin.com/company/optiv-inc).